



ASSISTANT COMMISSIONER FOR PATENTS

WASHINGTON, D.C. 20231

ATTENTION: BOX PATENT APPLICATION

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): **Bob D. Brown and Timothy A. Riley**

For:

ANTISENSE OLIGONUCLEOTIDES COMPRISING UNIVERSAL AND/OR DEGENERATE BASES

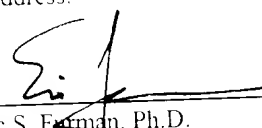
Enclosed are:

- (X) 3 sheet(s) of drawing.
- (X) Sequence Listing in 10 pages.
- (X) Sequence Submission Statement.
- (X) Sequence Listing in computer readable format on 1 disk.
- (X) Return prepaid postcard.
- (X) This application is a continuation of International Application number PCT/US00 09293 and claims the benefit of priority of International Application No. PCT/US00 09293 having international filing date April 7, 2000, designating the United States of America and published in English, which claims the benefit of priority of U.S. Application No. 60/128,377 filed April 8, 1999; both of which are hereby expressly incorporated by reference in their entireties.
- (X) Incorporation by Reference. The entire disclosure of the prior applications are considered as being part of the disclosure of the accompanying application and are hereby expressly incorporated by reference therein.

The present application qualifies for small entity status under 37 C.F.R. § 1.27. The fees are calculated below:

CLAIMS AS FILED				
FOR	NUMBER FILED	NUMBER EXTRA	RATE	FEE
Basic Fee			\$355	\$355
Total Claims	19 - 20 =	0 ×	\$9	\$0
Independent Claims	10 - 3 =	7 ×	\$40	\$280
TOTAL FILING FEE		\$635		

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- (X) A check in the amount of \$635 to cover the filing fee is enclosed.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required, now or in the future, or credit any overpayment to Account No. 11-1410.
- (X) Please use Customer No. **20,995** for the correspondence address.



Eric S. Farman, Ph.D.
Registration No. 45,664
Attorney of Record

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081601

Eric S. Furman, Ph.D.

Assistant Commissioner for Patents
Washington, D.C. 20231**CERTIFICATE OF MAILING BY "EXPRESS MAIL"**

Attorney Docket No. : OASBIO.001C1

Applicant(s) : Brown, et al.

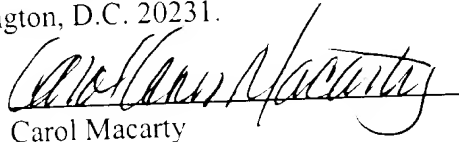
For : ANTISENSE OLIGONUCLEOTIDES
COMPRISING UNIVERSAL AND/OR
DEGENERATE BASES

Attorney : Eric S. Furman, Ph.D.

"Express Mail"
Mailing Label No. : EL 842761605

Date of Deposit : August 16, 2001

I hereby certify that the accompanying

Specification in 22 pages; 3 sheets of drawings; Sequence Listing in 10 pages;
Sequence Listing Submission Statement in 1 page; Sequence Listing in computer
readable format on 1 disk; Check(s) for Filing Fee(s); Return Prepaid Postcardare being deposited with the United States Postal Service "Express Mail Post Office to
Addressee" service under 37 CFR 1.10 on the date indicated above and are addressed to the
Assistant Commissioner for Patents, Washington, D.C. 20231.
Carol MacartyS:\DOCS\ESF\ESF-4109.DOC:sad
081601

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Brown, et al.
Appl. No. : Unknown
Filed : Herewith
For : **ANTISENSE
OLIGONUCLEOTIDES
COMPRISING
UNIVERSAL AND/OR
DEGENERATE BASES**

Group Art Unit : Unknown
Examiner : Unknown

SEQUENCE SUBMISSION STATEMENT

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

Dear Sir:

A copy of the Sequence Listing in computer readable form as required by 37 C.F.R.

§1.821(e) is submitted herewith.

As required by 37 C.F.R. §1821(f), I hereby declare that the information recorded on the enclosed disk is identical to the printed Sequence Listing in the application filed herewith.

Accordingly, no new matter has been introduced.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR

Date: August 16, 2001


Eric S. Furman, Ph.D.

Registration No. 45,664

Attorney of Record

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